

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A radio communication apparatus comprising:
  - a plurality of radio signal reception sections adapted to receive signals from a respective radio communication channels;
  - a plurality of reception signal processing sections adapted to process the received signals, respectively; and
  - an optical transmission section adapted to optically transmit the respective at least one received signal from the plurality of respective radio signal reception sections to the plurality of respective reception signal processing sections, wherein:
    - the optical transmission section comprises one sheet-shaped optical bus that can optically transmit respective at least one signal from the plurality of respective radio signal reception sections to the plurality of respective reception signal processing sections, the sheet-shaped optical bus comprising:
      - a light guide passage;
      - reflection portions that optically reflect respective signals, which are incident thereon and are input from the plurality of respective radio signal reception sections, toward respective predetermined directions; and
      - a diffusion reflection plate that reflects the signals reflected by the reflection portions while diffusing the reflected signals, wherein the diffusion reflection plate is disposed on one end of the light guide passage to face the reflection portions.

2-8. (Canceled)

9. (Previously Presented) A radio communication apparatus comprising:
- a plurality of transmission signal processing sections adapted to process signals to be transmitted, respectively;
  - a plurality of radio signal transmission sections adapted to transmit the processed signals to respective radio communication channels; and
  - an optical transmission section adapted to optically transmit the respective at least one processed signal from the plurality of respective transmission signal processing sections to the plurality of respective radio signal transmission sections, wherein:
    - the optical transmission section comprises one sheet-shaped optical bus that can optically transmit respective at least one signal from the plurality of respective transmission signal processing sections to the plurality of respective radio signal transmission sections, the sheet-shaped optical bus comprising:
      - a light guide passage;
      - reflection portions that optically reflect respective signals, which are incident thereon and are input from the plurality of respective radio signal processing sections, toward respective predetermined directions; and
      - a diffusion reflection plate that reflects the signals reflected by the reflection portions while diffusing the reflected signals, wherein the diffusion reflection plate is disposed on one end of the light guide passage to face the reflection portions.

10-16. (Canceled)

17. (Previously Presented) A radio communication apparatus comprising:
- a plurality of radio signal reception sections adapted to receive signals from a respective radio communication channels;

a plurality of reception signal processing sections adapted to process the received signals, respectively;

a plurality of transmission signal processing sections adapted to process a signals to be transmitted, respectively;

a plurality of radio signal transmission sections adapted to transmit the processed signals to the respective radio communication channels; and

an optical transmission section adapted to optically transmit the respective at least one received signal from the plurality of respective radio signal reception sections to the plurality of respective reception signal processing sections and to optically transmit the respective at least one processed signal from the plurality of respective transmission signal processing sections to the plurality of respective radio signal transmission sections, wherein:

the optical transmission section comprises one sheet-shaped optical bus that can optically transmit respective at least one signal from the plurality of respective radio signal reception sections to the plurality of respective reception signal processing sections, and can optically transmit respective at least one signal from the plurality of respective transmission signal processing sections to the plurality of respective radio signal transmission sections, the sheet-shaped optical bus comprising:

a light guide passage;

reflection portions that optically reflect respective signals, which are incident thereon and are input from the plurality of respective radio signal reception and processing sections, toward respective predetermined directions; and

a diffusion reflection plate that reflects the signals reflected by the reflection portions while diffusing the reflected signals, wherein the diffusion reflection plate is disposed on one end of the light guide passage to face the reflection portions.

18-23. (Canceled)

24. (Previously Presented) The radio communication apparatus according to claim 1, wherein the sheet-shaped optical bus comprises stepwise portions that input and/or output an optical signal.

25. (Previously Presented) The radio communication apparatus according to claim 9, wherein the sheet-shaped optical bus comprises stepwise portions that input and/or output an optical signal.

26. (Previously Presented) The radio communication apparatus according to claim 17, wherein the sheet-shaped optical bus comprises stepwise portions that input and/or output an optical signal.

27. (Canceled)